METHOD FOR TRACING APPLICATION EXECUTION PATH IN A DISTRIBUTED DATA PROCESSING SYSTEM

ABSTRACT OF THE DISCLOSURE

A method and a computer program product are disclosed for tracing the execution path through complex distributed applications in an n-tier client/server distributed computing environment over LAN, WAN, wireless, or the Internet. The system enables quick and pinpointed location of applications and application components along the execution path while consuming only minimal system resources. A tracing token is generated and passed from application component to application component, triggering the collection and recording of identification, timing and application data at each stage of the execution path. The tracing action may be automatically activated by the detection of some system event (such as a slow response to user requests) or be controlled manually by a system operator. The recorded data can be used to considerably speed up application analysis and problem troubleshooting.

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